

Data Table 2 Metallurgical features identified from X-radiographs of knives

Gr/object no.	AML no.	Type	Size	X-radiograph no.	Metallurgical features
<i>Cemetery I</i>					
99/9	557	1b	1	975, 981, A8996	butt weld
100/2	312	1a	1	A553, 555A–B	too degraded
116/3	221	1d	2	R509, A9301	homogeneous
119/2	509	1b	2	A9070, A9071	butt weld
120/2	121	2d	2	R509, A9070, A9071	homogeneous
123A/7	220	1a	1	R511	radiograph unclear
127B/1	406	8a	1	559	homogeneous
128/2	120	1a	1	R532, A9027	homogeneous
159/2	715026	3d	2	1624	too degraded
243/2	690941	2a	2	908	homogeneous
244/4	691109	1a	1	1133, A9055, 10068	too degraded
245/3	715114	6d	1	A6511, A7963–4	homogeneous
246/6	690950	?d	?	A9864–5	-
249/5	691131	1b	2	A9055	homogeneous
250/2	691130	7d	1	1136, A9606	too worn
264/1	715028	1a	1	1624, A9055	possible butt weld
271/1	715279	1b	1	1178	homogeneous
272/3	715108	1a	1	1624, not A1864	too degraded
276/2	715015	3d	1	A9055	homogeneous
<i>Cemetery II</i>					
281/5		2a	1	A7373, A7375	-
282/2	715024	4b	1	A7373, A7375	possible groove
286/2	715013	4a	1	1176, A7373, A7375	homogeneous
287/1	715012	1a	1	1166, A7373, A7375	probable groove
288/1	715011	5b	1	A7373, A7375	line along back, not position of butt weld
320/1	793156	2a	1	A3644	homogeneous
322/3		1a	1	A7373, A7375	very corroded
333/4	793157	4d	1	A3644	heavily corroded
334/6	715034	2d	1	A1130	nothing significant
334/7	715034	??	?	A1130	too little
343/3	715020	1d	1	1340	nothing
347/2	715019	2a	2	A1270	homogeneous
350/2	715036	6d	2	1340	degraded
351/9	715032	??	?	B7, A7373, A7375	too fragmentary
355/4	715002	1c	1	A1270	homogeneous
356/1	715022	2d	1	B7, A7373, A7375	too degraded
448/4	715043	??	?	B223	homogeneous
492/1	715044	1c	1	B8, A7373, A7375	possible butt weld near back; possible pattern welding
493/3	715003	1a	1	A1270	lines along back
494/2	715045	5a	2	B8, A7373, A7375	possible weld towards back
531/1	715392	1d	1	A1270	homogeneous

533/4	715075	6a	1	B13, A7373, A7375	possible butt weld; ? non-ferrous metal (GE)
534/4	715091	1	1	B16	possible structure in back edge but degraded
535/2	715076	1a	1	B13, B1691	nothing deliberate
541/2	715053	1a	1	B9, A7373, A7375	too degraded
542/1	715054	??	?	B9, A6680, A7373/5	not enough surviving
546/3		??	?		
547/6	715093A	7a	1	B16, A7990	V-shaped structure
551/1	715069	2a	1	B12, A7374	homogeneous
552/10	715050	1a	1	B8	homogeneous; handle mark
553/6	715070	2c	1	B12, A7374	piled structure
554/3	715085	2d	1	B16	definite difference between back and blade; possible handle mark
556/3	715063	3a	1	1339, A7374	groove along back; rivet
557/2		2a	1	A7600	nothing
562/2	715066	2d	1	B12, A7374	suggestion of pattern welding
565/2	715065	2d	1	B12, A7374	too degraded
568/1	715080	5a	1	A1270, A7374	possible groove along back
574/1	715079	1a	1	B14, A7374	homogeneous
575/2	715086	4a	1	B16	too corroded
576/3	715096	2a	1	1165, A7374	nothing visible
583/3	715219	?a	1	B162, A7374	not enough surviving
584/6	715102	1a	1	B152	homogeneous
588/5	715055	4a	1	A7672	too degraded
589/4	715363	2a	1	B169, B181	possible weld lines
596/2	793165	2a	1	A3644	possible weld line
597/1	715083	1c	1	B14	homogeneous
600/4		?a	1	BM XERO 3361/1354	xero-radiograph not found
602/2	726937	2a	1	A7672	homogeneous
604/1	715151	2a	1	B157	weld line
605/1	715152	1d	1	B157	too little blade
609/3	715150A	1a	1	B157	possible weld line
611/2	715115	6a	1	A7672	flow lines
616/2	715123	8d	3	1177, A7677	too degraded
617/2	715149	1d	1	A7672	too degraded; ? notch in tang
618/3		2a	1	A7791	possible butt weld
621/3	715156	1a	1	B159, A7963, A7964	butt weld
622/4	715283	1b	2	1164	butt weld
623/1	715127	1a	1	1625	homogeneous
624/3	715126	6d	1	B154	homogeneous
626/3	715113	7a?	2?	A7963, A7964	homogeneous
628/3	715140	1d	2	B156	some structure
629/2	715101	1a	1	A7963, A7964	homogeneous
630/2	715130	1a	1	B155	some structure
633/5	715111	8a	2	A7963, A7964	homogeneous
634/3	715146	1a	2	B157	too degraded
638/3	715121	3a	1	1172	homogeneous

639/7	715143	1a	1	B156	homogeneous
648/5	715134	4a	1	B155	homogeneous
649/8	715131	1c	1	B155, A7963, A7964	too corroded
650/9	715158	4a	1	B159, B169, A7965	too fragmentary; some structure
661/1	715356	?a	?	B180	too degraded
666/2	715358	??	?	B180	homogeneous
666/3	715358	??	?	A8532	possible weld lines
672/1	715360	2d	1	B180	some structure
690B/4	715361	2a	1	B169, B181	homogeneous
691/2	715364	2d	1	B169, B181, A8532	homogeneous
692/2	715367	3a	1	B169, B181	homogeneous
730/2	715372	1d	1	B182, A8532	homogeneous
731/5	715376	2d	1	B182, A8532	homogeneous
764/4	715379	1a	1	B182	homogeneous
765/3	715382	1d	1	B183	possible butt-welded structure
766/4	715353	1a	1	1498	X-radiograph not found
767/7	726947	1a	1	B205, A8532	probable butt weld, degraded
773/1	715387	2c	2	B190	homogeneous
774/2	715391	1d	1	B190	homogeneous
775/1	715390	2b	1	B190	homogeneous
778/7	726951	4b	1	A1000, A8610	too fragmented
778/8	726951	??	?	A1000, A8610	too fragmented
789/4	726981	1b	1	B217, A8600	homogeneous
814/4	727000	1a	1	B220	butt weld
823/2	726957	2d	2	A8600	homogeneous
824/1	726966	1a	1	B220	too degraded
827/2	726964	1d	1	B207	butt weld
829/2	726962	6a	1	B207, A8600	?weld line on back
841/2	726948	6a	1	B205	some structure
842/5	726994	?d	?	B219	too small
843/9	726967	1c	1	B200, A8600	too degraded
844/5	726935	1c	1	B203, A8600	homogeneous
845/5	726959	1a	1	B207	homogeneous
846/4	727003	1d	1	A8600	?butt weld
847/1	726971	1a	1	B209	butt weld
848/1	726949	3a	1	B205	butt weld
849/2	726932	1d	1	B202	homogeneous
850/2	726965	1a	1	B208	homogeneous
856/1		??	?		lost
858/2	726946	1a	1	B204	butt weld
859/3a	726944	1a	1	B204	homogeneous
860/8	726929	2d	1	B202, A8949	possible butt weld
861/1	726970	7a	3	B209	homogeneous
863/3	726987	1b	1	B218	homogeneous
864/1	727061	6a	1	B221, A8949	possible butt weld(s)
870/1	726952	5a	1	B206	homogeneous
870/2	727009	1c	1	B221	homogeneous
871/4	731281	2d	1	A1133	homogeneous
873/1	727004	3a	1	A8949	homogeneous; well worn

874/2	727080	2d	1	B231, A8949	too degraded
877/2	727001	1a	1	B220	butt weld
878/14	726985	1d	1	B218	homogeneous
883/3		??	?		lost
884/3	793160	?c	1	A3644	too corroded
915/2	793165	1d	1	A3644, A9000	not clear
923/3	793163	1d	2	A8999	too corroded
924B/6	731312	1a	1	A1138	homogeneous
924B/7	731311	1a	1	A1136, A9000	homogeneous
930/2	793164	5b	1	A3644, A8999	too little
932/2	731277	5a	1	A1132, A9000	homogeneous
933/6	731341	1a	1	A866, A9000	pattern welding
934/2	731317	1a	1	A1141	homogeneous
935/4	731298	3a	1	A1162	homogeneous; ? notch in tang
939/3	731347	1a	1	A1148	butt weld
947/1	731372	1a	1	A1152	too small
948/5	731304	6a	1	A1136	homogeneous
951/1	793166	3a	1	A3645	homogeneous
954/4	731288	3a	2	A1133, A9060/61	some structure, degraded
959B/3	731327	6a	2	A1141	homogeneous
961A/2	731355	1d	3	A1148, A9060/61	possible butt weld
962/2	731339A	5a	1	A1146	too degraded
965/4	731353	1a	1	A1148	possible butt weld but degraded
968/1	731296	1b	1	A1156	some structure, degraded
973/1	731324	?a	?	A1141	too fragmentary
975/7	731333A	LR1a	1	A1146, A9063	homogeneous
976/1	731320	LR1a	2	A9060, A9061	homogeneous, possible non-ferrous inlay
979/9	731321	LR2a	2	A866	homogeneous
981/2	731314	1d	2	A1138	homogeneous; heavily worn
985/3	731301	?a	?	A1135	too degraded
987/5	731293	1d	1	A866	homogeneous
989/7	731319	LR2a	1	A866, A9648	possible butt weld or (GE) groove
992/7	731292	1a	1	A1134	butt weld
993/2	731289	1a	1	A1134	degraded
998/9	731373C	1a	1	A1153/54/60/61, A9214	homogeneous

Key: 'Type' and 'Size' following Evison 1987, 113, as extended by Hirst in Table 9.35 in publication